

Title (en)
FAN DEVICE AND VACCUM CLEANER INCLUDING THE SAME

Title (de)
GEBLÄSEVORRICHTUNG UND STAUBSAUGER DAMIT

Title (fr)
DISPOSITIF DE VENTILATION ET ASPIRATEUR LE COMPRENANT

Publication
EP 3343044 A1 20180704 (EN)

Application
EP 17209082 A 20171220

Priority
JP 2016254621 A 20161228

Abstract (en)
A fan device (1) includes the following elements. An impeller (10) rotates around a central axis. A motor (20) rotates the impeller (10) positioned above the motor (20). A motor housing (21) houses the motor (20). A fan casing (2) forms a flow passage. An upper side of the fan casing (2) covers the impeller (10) and has a suction inlet (3). A lower side of the fan casing (2) has an evacuate outlet (4) communicating with the suction inlet (3) via the flow passage. The impeller (10) includes a base unit (11) enlarged downward and plural blades (12) arranged on the base unit (11). An impeller projection (11p) is formed on a bottom surface of the base unit (11). A groove (21g) denting downward is formed on a top surface of the motor housing (21). At least part of the impeller projection (11p) is housed within the groove (21g).

IPC 8 full level
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CPC (source: EP US)
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Citation (applicant)
JP 2005307985 A 20051104 - MATSUSHITA ELECTRIC IND CO LTD

Citation (search report)
• [XY] EP 2677174 A2 20131225 - VORWERK CO INTERHOLDING [DE]
• [XAY] JP 2010281232 A 20101216 - PANASONIC CORP
• [XAYI] EP 0650690 A1 19950503 - ELECTROLUX AB [SE]
• [XA] EP 2410183 A2 20120125 - RUCK VENTILATOREN GMBH [DE]
• [YA] EP 0518027 A1 19921216 - MITSUBISHI HEAVY IND LTD [JP]
• [YDA] JP 2005307985 A 20051104 - MATSUSHITA ELECTRIC IND CO LTD

Designated contracting state (EPC)
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